

## MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

REPORT FOR:

MONTH

February

YEAR

1998

SIGNATURE

Amy McCullough

In Charge of HSA

DATE

Mar 9, 1998

TO: Hydrometeorological Information Center, W/OH2  
 NOAA / National Weather Service  
 1325 East West Highway, Room 7230  
 Silver Spring, MD 20910-3283

*When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).*

☒ No flood stages were reached in this HSA for the month above.

February was a dry month for the western and central sections of West Central Texas, but the southeastern counties experienced slightly above normal precipitation. No river flooding occurred during February. However, heavy rainfall over the Northwest Hill Country on the 25<sup>th</sup> prompted flash flood warnings for Kimble, Mason and Menard counties. During the evening of the 25<sup>th</sup>, a Pacific cold front pushed eastward across the Northwest Hill Country and Heartland as an upper level shortwave moved across the area. Strong thunderstorms developed along the front in the moist and unstable atmosphere. These thunderstorms produced dime to nickel size hail and 2 to 3 inches of rain over the southeastern counties. San Angelo WSR-88D radar estimated up to 3 inches of rain had fallen in southern Brown County just east of Winchell. Rainfall amounts of 1 ½ to 2 inches were estimated across central McCulloch, Mason and Kimble counties. Rainfall events on the 19<sup>th</sup> and 22<sup>nd</sup> also produced rainfall amounts of 1 to 1 ½ inches across McCulloch, Mason and San Saba Counties as well as the eastern Concho Valley. The western half of the HSA received generally less than 1 inch of rain for the entire month of February.

For the month of February, San Angelo received 0.53 inches of rain, which is 0.54 inches below normal. For the year so far, San Angelo is 0.64 inches below normal. Abilene received 0.68 inches of precipitation in February, which is 0.48 inches below normal. For the year, Abilene is 0.34 inches below normal. A local rainfall study which used cold season precipitation data for the years 1952-1997, indicated that during El Niño years, San Angelo and Abilene receive an average of 3.0 inches of rain above the non El Niño/La Niña cold season precipitation amounts. However, for the 1997-1998 El Niño episode, rainfall has generally been below normal for both Abilene and San Angelo. Soil moisture is relatively low across the western and central HSA. The southeastern areas are somewhat wetter. Reservoirs are at or below conservation levels and the potential for river flooding remains low.

Listed below are February rainfall totals from selected areas across the HSA.

Pontotoc 4NNE	5.17	San Angelo 18W	0.55
Richland Springs	3.91	Robert Lee	0.41
Menard	1.68	Water Valley	0.33
London	2.60	Ozona 1SSW	0.35
Winchell	2.60		
Albany	1.32		
Fort McKavett	1.25		
Haskell	1.47		
Colorado City	1.02		